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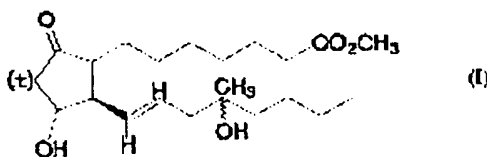
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# WO9715319A1: METHOD AND PHARMACEUTICAL COMPOSITION FOR CHONDROSTIMULATION WITH A PROSTAGLANDIN (E.G. MISOPROSTOL) AND TGF-BETA, OPTIONALLY IN COMBINATION WITH IGF-1

[View Images \(36 pages\)](#) | [View Cart](#)[Premium Data 1: PDF \(~3420 KB\)](#) | [TIFF \(~2700 KB\)](#) | [Fax](#) | [More choices...](#)**Inventor(s):** ANASTASSIADES, Tassos, Queen's University, Etherington Hall, Kingston, Ontario K7L 3N6, Canada**Applicant(s):** QUEEN'S UNIVERSITY AT KINGSTON, Kingston, Ontario K7L 3N6, Canada**Issued/Filed Dates:** May 1, 1997 / Oct. 23, 1996**Application Number:** WO1996CA0000698**IPC Class:** [A61K 038/18](#); [A61K 031/557](#); [A61K 038/18](#); [A61K 031/557](#); [A61K 038/18](#); [A61K 038/18](#); [A61K 031/557](#)**Priority Number(s):** Oct. 23, 1995 **US1995060005790****Designated Countries:** AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, **European patent:** AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, **OAPI patent:** BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG, **ARIPO patent:** KE, LS, MW, SD, SZ, UG, **Eurasian patent:** AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

**Abstract:** A pharmaceutical composition comprising a prostaglandin having structure (I) and a compound chosen from the group consisting of TGF- $\beta$  and IGF-1 wherein the prostaglandin, TGF- $\beta$  and IGF-1 are present in an amount effective to stimulate the production of chondrocyte matrix or prevent the degeneration of chondrocyte matrix; and methods of stimulating the production, or preventing the degeneration, of chondrocyte matrix or cartilage matrix in a subject in need thereof by administration of a combination of the prostaglandin and TGF- $\beta$  or a combination of the prostaglandin, TGF- $\beta$  and IGF-1.

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